

METHOD FOR TREATING POLYESTER POLYMERS AND POLYESTER POLYMERS WITH
LOW CONTENT OF LOW-BOILING COMPONENTS

ABSTRACT

A method for treating a polyester polymer according to the
5 present invention is to heat a polyester polymer (C), which is obtained
by ring-opening polymerization of a polymer (A) having hydroxyl
and/or ester bonds and cyclic esters (B) containing ϵ -caprolactone,
in a solid state at a temperature that is not lower than 115°C and
lower than 170°C and is lower than the melting point of the polyester
10 polymer (C) in order to remove an organic low-boiling component
(v) from the polymer (C) obtained by the polymerization. According
to the present invention, there is obtained a polyester polymer
in which ϵ -caprolactone and caprolactone dimer in polyester polymers
are fully removed without causing deterioration or change of the
15 physical properties of resins and further without causing
deterioration of their colors and a decrease in cost effectiveness.